Ur		k Reduction Act of						ormation unles			
	PAT	ENT APPLI		N FEE DETE		NC	RECORD		Applic	ation dr Docket N	umber
	Α	PPLICATION (Col	AS FILI		dumn 2)	_	SMALL	ENTITY	OR	OTHEF SMALL	
	FOR	NUMB	ER FILED	NUMBER EXTRA			RATE (\$)	FEE (\$)	l	RATE (\$)	FEE (\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))		c))	-					. == , , ,	1	73.7.47	1 2 (4)
SE/ (37 (	ARCH FEE CFR 1.16(k), (i), or (n										
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))		a))								:	
TO	TAL CLAIMS CFR 1.16(i))		minus 2	0 = •			х =		OR	x =	
	EPENDENT CLA CFR 1.16(h))	IMS	minus 3	= •			x =		1	x =	
APF FEE	PLICATION SIZE	sheets of is \$250 ( additiona	cification and drawings exceed 100 paper, the application size fee due \$125 for small entity) for each 150 sheets or fraction thereof. See . 41(a)(1)(G) and 37 CFR 1.16(s).								
MUI	TIPLE DEPEND	ENT CLAIM PRES	SENT (37 (	FR 1.16(j))		]					
• If t	* If the difference in column 1 is less than zero, enter "0" in column 2.									TOTAL	
	HOM	(COIUmn 1)  CLAIMS REMAINING	AMEND S	ED - PART II (Column 2) HIGHEST NUMBER	(Column 3)	1/	SMALL	ENTITY ADDI-	OR	OTHER SMALL RATE (\$)	
AMENDMENT A	Total	AFTER AMENDMENT	Minus	PREVIOUSLY PAID FOR	EXTRA	1	, , , , , , , , , , , , , , , , , , , ,	TIONAL FEE (\$)		701 C (V)	TIONAL FEE (\$)
IDM	(37 CFR 1.16(i)) Independent	$\frac{\cdot}{\cdot}$	Minus		= /	ł	x =		OR	x =	
ĪĒN	(37 CFR 1.16(h))	Fee (27 CFD 4.4			└-/	ł	x =	/	OR	X =	/
AN	Application Size Fee (37 CFR 1.16(s))					ł	<b>—</b>	/		<del> </del>	<del></del>
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))									OR		
							TOTAL ADD'L FEE		OR	TOTAL / ADD'L FEE	
		(Column 1)		(Column 2)	(Column 3)	_			_		
ENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE (\$)	ADDI- TIONAL FEE (\$)		RATE (\$)	ADDI- TIONAL FEE (\$)
	Total (37 CFR 1.16(i))	•	Minus	**	=		х =		OR	x =	
AMENDM	Independent (37 CFR 1.16(h))	•	Minus	***	=	1	x =		OR	x =	
ME	Application Size Fee (37 CFR 1.16(s))					1					
۷	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))								OR		
							TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
•	" If the "Highest N	lumn 1 is less tha lumber Previously lumber Previously	Paid For	IN THIS SPACE	is less than 20,	ent				,	

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/06 (12-00)

3600

TOTAL

OR

OR

Approved for use through 7/51/2009, Oath 0551-0032
U.S. Peters and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperson's Reduction Act of 1995, no persons are required to respond to a coloring of biformation orders it displays a walld Co PATENT APPLICATION FEE DETERMINATION RECORD 1417 Substitute for Form PTO-876 OTHER THAN **APPLICATION AS FILED - PART I** OR SMALL ENTITY SMALL ENTITY (Cotumn 2) (Cohem 1) RATE (F) FEE (5) HUMBER EXTRA MANBER FILED RATE (5) FEE (II) AT CFR 1.1801, PL = 149 SEARCH FEE COLOR FIREST OF OR (MICE) EXAMINATION FEE DD OFR LINGS (S) OF (III) TOTAL CLARKS • OR . (22 CFR 1.16(II) celcus 20 • PROEPENDENT CLADAS . crimus 3 · (37 CFR 1.16(1)) tf the specification and drawings exceed 100 sheets of paper, the application size fee due APPLICATION SIZE is \$250 (\$125 for small entity) for each FEE CD CFR 1.18(4) additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(b). MULTIPLE DEPENDENT CLAIM PRESENT (07 CFR 1.15(1)) TOTAL If the difference in column 1 is less than zero, enter "O" in column 2. TOTAL APPLICATION AS AMENDED - PART II OTHER THAN SMALL ENTITY 16 (Cotumn 1) OR (Cotumn 2) (Column 3) SMALL ENTITY CLAMS HIGHEST PRESENT EXTRA ADDI-TIONAL RATE (S) REMADIENCE ADDI-TIONAL MENDMENTA PREVIOUSLY PAID FOR AFTER FEE (8) MENDMENT FEE (8) Total pri crit Luty OR Independent (II) (FR 1.48pg) OR Application Size Fee (37 CFR 1.16(s)) FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (\$7 OFR 1.18Q) OR TOTAL TOTAL **CR** ADD'L FEE ADD'L FEE (Column 1) HCHEST NAMER CLAIMS PRESENT RATE (I) RATE (S) REMAINING ADDI-ADOL TIONAL FEE (8) PREVIOUSLY EXTRA AFTER FEE (I) AMEND WENT PAD FOR CE CAS CHED OR x 200 Application Size Fee (37 CFR 1.15(s))

" If the entry in column 1 is less than the entry in column 2, with "V' in column 3.

"If the T-tighest Number Previously Paid For' IN THIS SPACE is less than 20, order "20".

"If the T-tighest Number Previously Paid For' IN THIS SPACE is less than 20, order "20".

"It is "Highest Number Previously Paid For' (Total or Independent) is the highest number found in the appropriate box in option 1.

This collection of information is required by 37 CFR 1.18. The information is required to extent or retain a benefit by the public which is to the (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete the high statement of the purpose of the completed application form to the USPTO. Then will very depending upon the individual case. Any commentation on the amount of time you require to complete this form anxiety suggestions for making this burden, should be sent for the Chief intermedice Office, U.S. Petern and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patentia, P.O. Box 1450, Alexandria, VA 22313-1450.

TOTAL

ADD'L FEE

FIRST PRESENTATION OF MULTIPLE DEPENDENT CLASS. GIT CFR 1.1907

PTO/SB/06 (12-04)

Approved for use through 7/31/2008. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Pagerwork Reduction Act of 1935, no persons are required to respond to a collection of information unless it displays a valid CMB control number. Application or Docket Number PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875 OTHER THAN **APPLICATION AS FILED - PART I** OR SMALL ENTITY SMALL ENTITY (Catumn 2) (Cohemn 1) RATE (\$) FEE (\$) NUMBER EXTRA RATE (3) FEE (\$) NUMBER FILED FOR BASIC FEE (37 CFR 1.16(a), (b), or (c)) SEARCH FEE (37 CFR 1.16(A), (A, or (m)) **EXAMINATION FEE** (37 CFR 1.16(0), (p), or (q)) TOTAL CLAIMS OR minus 20 = (37 CFR 1.16(1)) INDEPENDENT CLAIMS . x = minus 3 = (37 CFR 1.16(h)) If the specification and drawings exceed 100 sheets of paper. the application size fee due APPLICATION SIZE is \$250 (\$125 for small entity) for each FEE (37 CFR 1.16(s)) additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(i)) TOTAL TOTAL ' If the difference in column 1 is less than zero, enter "0" in column 2. **APPLICATION AS AMENDED - PART II** OTHER THAN OR **SMÁLL ENTITY** SMALL ENTITY (Cotumn 2) (Column 3) (Column 1) CLAIMS HIGHEST PRESENT RATE (\$) ADD1-RATE (S) ADD1-REMAINING NUMBER TIONAL FEE (\$) EXTRA TIONAL PREVIOUSLY AFTER FEE (\$) PAID FOR MENDMENT Total Minus OR (27 CFR 1.16(1)) 200 Minus OR M Application Size Fee (37 CFR 1.16(s)) FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.160) OR TOTAL ADD'L FEE TOTAL OR ADD'L FEE (Column 3) (Column 2) (Column 1) HIGHEST NUMBER CLAIMS PRESENT RATE (\$) ADDI-RATE (\$) ADDI REMAINING TIONAL TIONAL **EXTRA** PRÉVIOUSLY FEE (\$) FEE (\$) ENT PAID FOR AMENDMENT Total (37 CFR 1,16()) Minure OR • X. ENDM Mines Independent (37 CFR 1.16(N)) OR X Application Size Fee (37 CFR 1.16(# FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.160) OR TOTAL TOTAL 08 ADD'L FEE ADO'L FEE

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

"If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

"If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to fite (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

٠.					<u> </u>						
g		Alme Alme		PARTIT	olutran 2)		ENTITY		oji		09/211
$\prod$	TOTALCIAE	43	T			RATE	FEE	::Or		TIME	09/914170
II	FOR	- 4 10.00	MANAGE	RFLED IN	MBER ETRA	BASICE			PATE	13.60	. ///
		EARLE COM				が会を後	<b>多</b>		22.5	31778	
4	iopelobii	QUIS !	<b>海南</b>	inus § 20 do	\$ 77 × 69	740	(1) · (5) (5)	対の対		S S S J S S	
	MULTIPLE DEP	DOENT CLAIM	PRESENT			1			760-		
1	if the differen	co in column 1	is less than :	zero, enter °C' ir	a cohuma 2	+135-		ÓЯ	+270=		
				D - PART II	· •••••	TOTAL	·			1947	
-	7-28-0	(Cotumn 1)	0	(Column 2)	(Column 3	SMAL	L ENTITY	OR		R THAN ENTITY	
	<u> </u>	CLAIMS REMAINING AFTER		HIGHEST MANSER	PRESENT		ADDI-	7		ADOI	
Nove Are	Total	AMENDMEN		PREVIOUSLY PAID FOR	ERTRA	RATE	TIONA	1	RATE	TIONAL	
	Total	1:14	Minus	1. 20	•	X\$ 9=		OR	X\$18-		
E PARE	FIRST PRES		Minus KULTIPLE OF	PENDENT CLAIR	<u> </u>	. X40=	1	OR	1882	268	
ľ						+135=	17	OR	+270=		
۱,	J'. 1Ca.	· ·				YOYA			L	258	
Ŀ	8.180	Scotumn 1)	•	(Column 2)	_ (Column 3)	YOTA ADDIT. FE			ADDIT, FEE	258	• ••
	8.180	REMADENC		HIGHEST		YOTA ADDIT. FE			L		 :
MENTB	8.180	CLUMS		HIGHEST	(Column 3) PRESENT EXTRA	YOTA ADDIT. FE	ADDI- TRONAL		L	ADOI- TIONAL	
ENDMENTB	7 180 Total	REMADENG AFTER	Minus	MICHEST MUMBER • PREVIOUSLY	PRESENT	ADOIT, FE	ADDI	OR	ADDIT FEE	ADDI-	
AMENDMENTB	Total budgegodent	CLAIMS REMADEING AFTER AMENDASENT	Mires	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE X\$ 9=	ADDI- TIONAL REE	OR OR	RATE	ADOI- TIONAL	•
. AMENDMENT B	Total tridependent FIRST PRES	CLAIMS REMADEING AFTER AMENDASENT	Mires	MICHEST MUMBER • PREVIOUSLY	PRESENT EXTRA	RATE X8 9=	ADDI- TIONAL REE	OR OR OR	RATE RATE X85=	ADOI- TIONAL	rain .
AMENDMENTB	Total tridependent FRAST PRESI	CLAIMS REMADEING AFTER AMENDASENT	Mires	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE X\$ 9= +135=	ADDI- TIONAL REE	OR OR OR	RATE  XS18=  XS0=  +270=	ADOI- TIONAL FEE	rain .
- AMENDMENT B	Total tridapendent FIRST PRES	CLAIMS REMADENG AFTER AMENDMENT  CO STATION OF M	Mires	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT	PATE XS 9= +135=	ADDI- TIONAL REE	OR OR OR OR	RATE RATE X85=	ADOI- TIONAL FEE	
10	Total Independent FRAST PRES	CLAIMS REMADENC AFTER AMENOMENT  AMENOMENT  COMMON OF M  (Column 1)	Mires	HIGHEST NUMBER PREVIOUSLY PAID FOR CLAIM  (Column 2)  HIGHEST	PRESENT EXTRA	RATE  XS 9=  +135=	ADDI- TIONAL REE	OR OR OR OR	RATE  RATE  X818-  X80-  101AL	ADOI- TIONAL FEE	
10	Total Independent FIRST PRES	CLAIMS REMADENG AFTER AMENDMENT  COLUMN 1) CLAIMS REMARKING AFTER	Mires	HIGHEST NUMBER PREVIOUSLY PARD FOR COLUMN 2)  COLUMN 2)  HIGHEST MUMBER PREVIOUSLY	PRESENT	RATE  XS 9=  +135=	ADDI- TIONAL REE	OR OR OR OR	RATE  RATE  X80=  X80=  +270=  YOTAL  ADDIT. FEE	ADOI- TIONAL FEE	
NOMENT C	Total Independent FRAST PRES	CLAIMS REMADENG AFTER AMENDMENT  MIATION OF M  (Column 1)  CLAIMS REMARKING	Mires	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE  XS 9=  X40=  +135=  TOTAL  ACOIT, FEE	ADDI-	OR OR OR OR	RATE  RATE  X818-  X80-  101AL	ADOI- TIONAL FEE	
NOMENT C	Total independent	CLAIMS REMADENG AFTER AMENDMENT  COLUMN 1) CLAIMS REMARKING AFTER AMENDMENT	Minus Minus	HIGHEST NUMBER PREVIOUSLY PAID FOR COLUMN 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE  X8 9=  X40-  +135=  TOTAL  ACCIT. FEE	ADDI- TIONAL REE	OR OR OR OR	RATE  RATE  X80=  X80=  +270=  YOTAL  ADDIT. FEE	ADOI- TIONAL FEE	
10	Total independent	CLAIMS REMADENG AFTER AMENDMENT  COLUMN 1) CLAIMS REMARKING AFTER AMENDMENT	Minus Minus	HIGHEST NUMBER PREVIOUSLY PAID FOR COLUMN 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE  XS 9=  X40=  +135=  TOTAL  ACOIT, FEE	ADDI- TIONAL REE	OR OR OR	RATE  RATE  X818=  Y090=  Y01AL  ADDIT. FEE	ADOI- TIONAL FEE	
AMENDMENTC	Total Independent FIRST PRESE	CLAIMS REMADENG AFTER AMENDMENT  COLUMN 1)  CLAIMS REMARKING AFTER AMENDMENT	Minus Minus Minus Minus Minus Minus	HIGHEST NUMBER PREVIOUSLY PARD FOR CLAIM  (Column 2) HIGHEST MUNISST MUNISST MUNISST MUNISST PREVIOUSLY PAID FOR CLAIM  ENDENT CLAIM	PRESENT EXTRA	RATE  X8 9=  X40-  +135=  TOTAL  ACCIT. FEE  X8 9=	ADDI- TIONAL REE	OR OR OR OR	RATE  X80=  +270=  YOTAL  ADDIT. FEE  X818=  X80=	ADOI- TIONAL FEE	
11. AMENDIAENT C	Total Independent FIRST PRESE The entry in potur the 76 givest May the 76 givest May	CLAIMS REMADENG AFTER AMENDMENT  COLUMN OF M  (COLUMN 1)  CLAIMS REMARING AFTER AMENDMENT  INTATION OF MI  INTATION OF MI  INTERNATION OF MI	Minus  Minus	HIGHEST NUMBER PREVIOUSLY PAID FOR COLUMN 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA  (Column 3)  PRESENT EXTRA  a a a a a a a a a a a a a a a a a a a	RATE  X\$ 9=  X40=  +135=  RATE  X\$ 9=  X40=  +135=  TOTAL  ACOST, FEE  X\$ 9=  X40=	ADDI- TIONAL REE	OR OR OR OR	RATE  X818=  Y070=  Y07AL  X80=  +270=  Y07AL  X80=  +270=  Y07AL	ADOI- TIONAL FEE	

		Alms	TIED	PART I			T ENITY	THE COLOR	0)	MAN
	TOTAL CLAIR	AS			0.0.1012	TYP	TE FE		A SILLI	E-9625
1	FOR		NUMBE	R FILED NU	MBER EXTRA	∄ . }──	FEE	-	PATE	
	TOTAL CHÁRG	EABLE CLAIMS	2 430 FEE		24 m 2 m 1	1 3	7 3 Jilia	9		3000
	NDEPENDENT	CLUNS	180015		2.1	攀壁		<b>2</b> 0	自然可能	
		ENDENT CLAIM	PRESENT	nunus 3 = 1 vo		1 74	0= <sup>75</sup> '5 <sup>3</sup>	iii oi	X80=	
<b> </b>  -				·		+13	5=	O	+270=	
	ii me auteteu			zero, enter °0° ir	n column 2	TO	AL		TOTAL	44
-	7-28-52	<b>CLAIMS AS</b>	AMENDE	D - PART II					_	RTHAN
		(Column 1)		(Column 2)	(Column 3)	SM	LL ENTIT	_	SMALL	ENTITY
		REMAINING AFTER		NUMBER PREVIOUSLY	PRESENT EXTRA	RA	ADD E TION		RATE	ADDI- TIONA
	Total	AMENDMENT	A.C.	PAID FOR	-		FEE			FEE
AMENDMENT	Independent	1. =	Minus	" 20	*	X\$	2=/	OR	X\$18=	
₹	FIRST PRES	ENTATION OF M		PENDENT CLAI	= 3	. X40	= \	OR	*SEE	258
_				CIDENI COM	MI L	+13	- \	OR		1
						10	TAL	┩┈	TOTAL	250
_	3.5	(Column 1)		(Column 2)	(Column 3)	ADDIT.	EE L	<b>∐</b> OR	ADDIT. FEE	258
9		CLAIMS REMAINING		HIGHEST NUMBER	PRESENT		ADDI	7.		ADDI
		AFTER AMENDMENT		PAID FOR	EXTRA	RAT	E TIONA REE		RATE	TIONAL
AMENDM	Total ·		Minus	. /	<b>a</b> ·	X8.9	211	न⊹ः	X\$18=	FEE
AM	tridependent	de cer que	Minus A	in forwards		X40		OR S		
با	PHST PRESE	NTATION OF MI	ALTIPLE DE	ENDENT CLAIM				OR	X80=	
			. /		• :	+135		OR	+270=	<u></u>
٠.	• • •		· / · ·		• • •••	ADDIT. F	EE	OR	ADDIT, FEE	•
	THE STATE OF	(Column 1) CLAIMS		(Column 2)	(Column 3)		· ·:	••••	•	•
E C		REMAINING /. AFTER		NUMBER PREVIOUSLY	PRESENT	PATY	ADDI	7		·ADDI-
ME	Total	<i></i>		PAID FOR	EXTRA	MAIR	FEE	<u> </u>	RATE	TIONAL FEE
Z	Independent	-/	Minus	••	-	X\$ 9:		OR	X\$18=	
-		NTÁTION OF MI	Minus	ENDENT CLAIM		X40=	1	1	X80-	
1	LINOI LUESE		THE UEP	ENUENI CLAIM		<b>—</b>		OR		
₹	TINOT PRESE			•						, ,
. "	the entry in colur	nn 1 is iess than m	a code de code	nn 2, write "0" in co SPACE is less tha	luma 3.	+135=		OR	+270=	